

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee: René E. Kristiansen  
U.S. Patent No.: US 7,277,635 B2  
Issue Date: October 2, 2007  
Serial No.: 10/772,173  
Filing Date: February 4, 2004  
Confirmation No.: 5179  
Title: *Bidirectional Router and a Method of Bidirectional Amplification*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

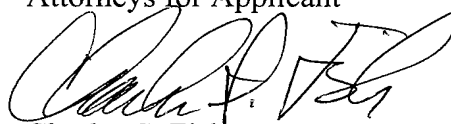
Dear Sir:

**REQUEST FOR CERTIFICATE OF CORRECTION**  
**UNDER 37 CFR § 1.322**

It is respectfully requested that a Certificate of Correction be issued in accordance with the enclosed Form PTO-1050. The error involved is believed to be a Patent Office error, and it is believed that no fee is due in association with this request for a Certificate of Correction. However, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

It is respectfully submitted that a significant error is present in the printed patent, that correction thereof in accordance with the enclosed Form PTO-1050 is required in order that no misunderstanding will occur.

Respectfully submitted,  
BAKER BOTTS L.L.P.  
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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Patent No.: US 7,277,635 B2  
Dated: October 2, 2007  
Inventor(s): René E. Kristiansen

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2:

Line 41, after "when  $\Delta L$  is equal to" when delete " $\lambda^2/(2\Delta\Pi)$ " and insert --  $\lambda^2/(2\Delta n)$  --.

Column 3:

Line 27, after "Fig. 1 shows a communication system" delete "consisting of network elements" and insert -- consisting of two network elements --.

Line 33, after "Fig. 5 shows a first channel coupling" delete "characteristic an MZI" and insert -- characteristic for an MZI --.

Line 58, delete "may be used transmitted from both 1 and 2 for amplifying signals transmitted from both 1 and 2. and insert -- may be used for amplifying signals transmitted from both 1 and 2. --.

Column 4:

Line 30, after "The wavelength multiplex" delete "coupler 17 subsequently" and insert -- coupler 17 is subsequently --.

Column 6:

Line 24, delete the equation:

$$\vec{E}_c = -\vec{E}_1(\lambda_1) + \vec{E}_2(\lambda_2)$$

and insert the following equation:

$$\vec{E}_c = \vec{E}_1(\lambda_1) + \vec{E}_2(\lambda_2)$$

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It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6:

Line 26, after “and results in a field” delete “on the port” and insert -- on the port A --.

Line 30, delete the equation:

$$\bar{E}_A = -\bar{E}_2(\lambda_1)e^{\nu_{\pi 2}}$$

and insert the following equation:

$$\bar{E}_A = \bar{E}_2(\lambda_1)e^{j_2^{\pi}}$$

Line 34, delete the equation:

$$\bar{E}_D = -\bar{E}_1(\lambda_1)$$

and insert the following equation:

$$\bar{E}_D = \bar{E}_1(\lambda_1)$$

Line 36, delete “wavelength  $\lambda_B$  may be” and insert -- wavelength  $\lambda_L$  may be --.

Column 7:

Line 31, delete “and  $A_L$ ,” and insert --  $\lambda_L$ , --.

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